

Apr 28, 00 12:47	Recursive.m3	Page 1/1
	<pre>MODULE Recursive EXPORTS Main ; IMPORT IO ; 5 PROCEDURE BinKoeff(n, m : INTEGER) : INTEGER = BEGIN IF m = 0 THEN RETURN 1 ; ELSEIF n = m THEN RETURN 1 ; ELSE RETURN BinKoeff(n-1, m-1) + BinKoeff(n-1, m) ; END ; END BinKoeff ; CONST N = 10 ; BEGIN FOR n := 0 TO N DO FOR m := 0 TO n DO IO.PutInt(BinKoeff(n, m)) ; IO.Put(" ") ; END ; IO.Put("\n") ; END Recursive .</pre>	

May 03, 00 18:15	NonRecursive.m3	Page 1/1
	<pre>MODULE NonRecursive EXPORTS Main ; (* Variante 1: quadratische Speicherplatzkomplexitaet *) 5 IMPORT IO ; CONST N = 10 ; BEGIN VAR a : ARRAY [0..N] OF ARRAY [0..N] OF INTEGER ; IMPORT IO ; 10 VAR a : ARRAY [0..N] OF ARRAY [0..N] OF INTEGER ; BEGIN FOR n := 0 TO 10 DO FOR m := 0 TO n DO a[n][m] := 1 ; ELSEIF n = m THEN a[n][m] := 1 ; ELSE a[n][m] := a[n-1][m-1] + a[n-1][m] ; END ; IO.PutInt(a[n][m]) ; END ; IO.Put(" ") ; END ; IO.Put("\n") ; END NonRecursive .</pre>	

May 03, 00 18:08	output.txt	Page 1/1
	<pre>1 1 1 1 2 1 1 3 1 1 4 1 1 5 10 10 5 1 1 6 15 20 15 6 1 1 7 21 35 21 7 1 1 8 28 56 70 56 28 8 1 1 9 36 84 126 126 84 36 9 1 1 10 45 120 210 252 210 120 45 10 1</pre>	